

Stennis Space Center's Safety Program Overview

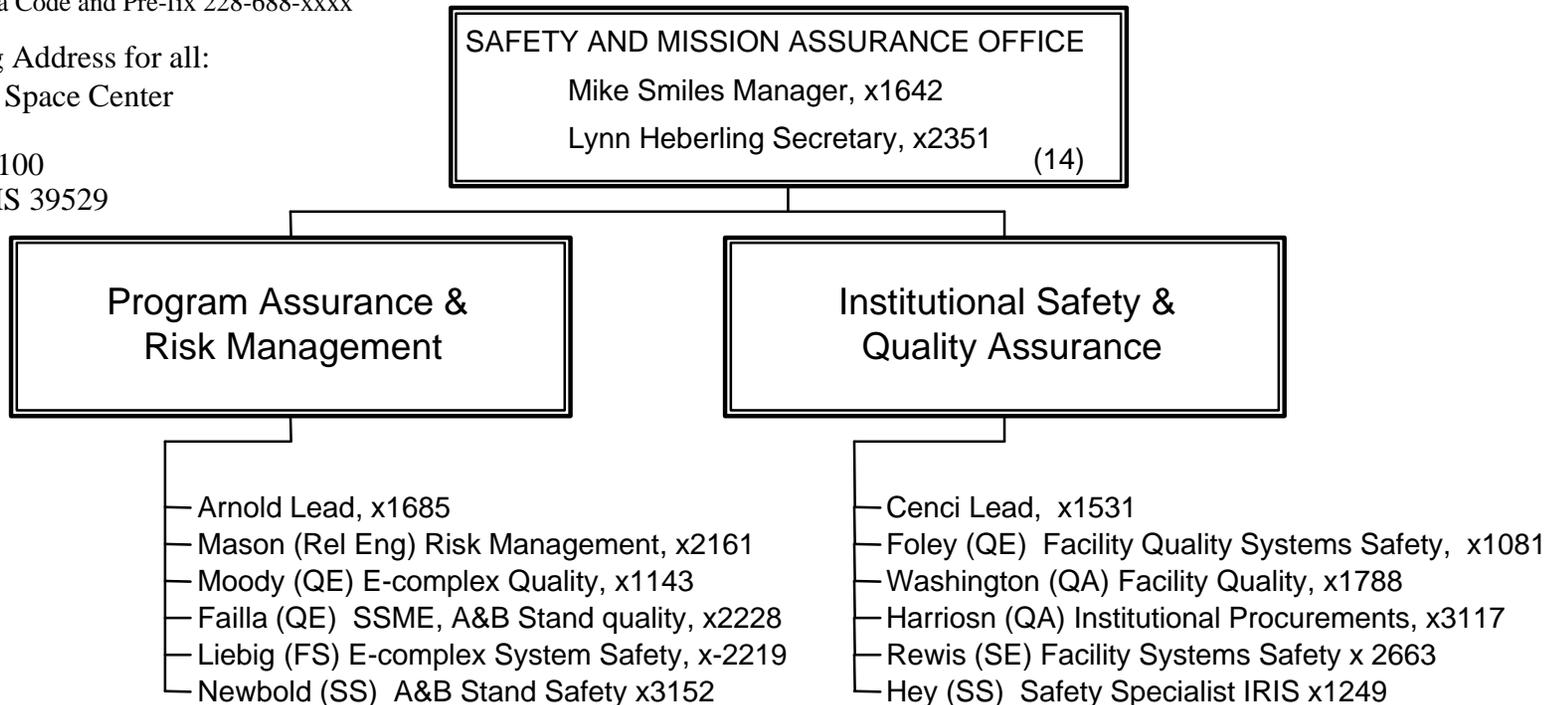
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Organization Structure

SSC Area Code and Pre-fix 228-688-xxxx

Mailing Address for all:
Stennis Space Center
Name
Bldg. 1100
SSC, MS 39529



Fire Protection and Emergency Preparedness are covered in SSC Center Operations Director by Cylde Dease x1905

Potential Internal Reorganization Considered

“Ideas to Improve Safety”

- SSC has formed a Safety Management Council chaired by the Center Director and has membership consisting of the General Managers of all our on-site contractors. We have meetings monthly to share the corrective actions for all our respective incidents/close calls. We discuss SSC's overall safety initiatives and other site-wide activities such as our Safety Day.
- **Anticipated Benefit:** This has resulted in increased management accountability and visibility of all the incidents occurring at SSC. The sharing of this information increases distribution of our corrective actions and the associated lessons learned. Our future intent is to drive our first aid cases and incidents to lower frequency rates reducing our likelihood of serious incident.

“Ideas to Improve Safety”

- We have recently finished our implementation of DuPont’s Safety Training Observation Program (STOP) training for our NASA management. Implementation by one of our on-site contractors is underway. This training establishes a set safety observation methodology and techniques on performing those observations. We will also use it to set a frequency for our management team to perform safety observations to ensure continued performance.
- **Anticipated Benefit:** This program should heighten safety awareness and accountability for managers and all employees. We look forward to SSC’s entire contractor and NASA management team routine accomplishment of safety observations both in their work areas and across SSC.

“Ideas to Improve Safety”

- As SSC pursued our ISO registration, we developed a Customer Service Manual/Business Management Manual as our top-level document. It contains SSC's overall goals and objectives and says how we do business. Safety is first within the goal section: "*Become the NASA leader in safety of people, assets, and the environment,*" and it is also a Quality Objective: "*Conduct operations and processes safely.*" These are measured and reviewed quarterly. In addition, we have incorporated our safety goal into each NASA employee's performance plan.
- **Anticipated Benefit:** We look for these initiatives to further raise the safety awareness of our NASA employees.

“Enhancements to Mishap Prevention”

- VPP Decision
 - Forthcoming
 - Recent Visit by JSC and WSTF has increased our understanding of VPP and motivation to pursue.

Lesson Learned

- Improvements
 - Annual LLIS Center Database Manager face-to-face to share thoughts and ideas for site and agency system improvements
 - Workforce to implement at SSC is limited, working to resolve

Lesson Learned

- Local Improvements
 - Assembly of SSC LL action tracking database
 - Generate routine status report for management review
 - Have summer aid input historical LL recommendations information and tracking
 - Development of SSC LLIS site plan which will address project requirements
 - Establishment of LLIS Committee composed of representative from each participating organization at SSC

SSC Flight Safety Program

Status of our Flight Safety Program

- Who manages the flying safety program and who handles the flight safety program aspects.* The SSC Aircraft recently moved to Glenn Research, SSC will retain ownership. Glenn will fly missions for SSC and maintain as such, we will operate using their written procedures.
- Does this staff reports to the Center Director?* S&MA had both a Safety and Quality representatives supporting previous aircraft operations. We have direct access to our center director per our aircraft office organization chart.

System Safety

- NASA safety personnel monitoring test activity
 - Design Reviews
 - OSHA Compliance
 - Work procedure review
 - Test Procedure review
 - Quantity Distance analysis

System Safety

- The systems requirements outlined in NASA-STD-8719.7 have been implemented at SSC through various procedures and guidelines. Risk Management has been integrated through-out the program management process :
 - SPG 8715.1 “SSC Safety and Health Procedures and Guidelines”
 - SPG 8715.2 “Operational Readiness Program Procedures and Guidelines”
 - SPG 7120.1 “Program/Project Management”
 - Facility Risk Indicators established in SSC Safety Manual, SPG 8715.1.
 - Hazard Analysis performed on all test facilities IAW SSC Common Work Instruction, SCWI-8700-0001
 - SSC Safety Checklist for General Facility, Pressure, Electrical and Equipment Design is being converted into a common work instruction

NASA Safety Activity Center Wide

- Implementation of Dupont's Safety Training Observation Program (STOP)
 - NASA's management team recently completed a series of training sessions on STOP implementation
 - Our onsite contractors are in process of conducting training for their management. One had already implemented.
- Provides a consistent message across SSC through NASA and our onsite contractors we care about safety. Reinforces positive safety performance.

NASA Safety Activity Center Wide

- Resident Agency Safety Audit Program
 - SSC onsite/resident agencies safety programs are evaluated.
 - Each is audited once every two years.
 - Observations are tracked to closure.

On-site Contractor Safety Activity

Three primary onsite contractors for SSC.

- Facility Operations support services - *MSS (6)*
- Test and Technical Services - *LMSO (5)*
- SSME - *Boeing (4)*

Each provides safety coverage for their employees

- OSHA compliance
- Work process review
- Safety Certification
- Hazard Analysis
- Accident Investigation

SSC IRIS

- All entries are reviewed at our Safety Management Council monthly
- Areas for Improvement
 - Better Charting: We have developed our own backend chart to display info which is important to us.
 - Simple editing tasks are not possible; Drag & Drop for long corrective actions from reports etc. Spelling check
 - Would like to see other center response to inputs and corrective actions.
 - Limited printed capability i.e. Cannot print damages page etc

Remaining Items

- Coordination with Center Inspector General is as required. We have one on-site IG representative Customer. We have recently provided them info on our crane activity.
- AOA coordination process at the center: signed by Center Director and reviewed by Propulsion Test and Geospatial Application directorates.
- The frequency of contact with our center Office of Workers Compensation (HR) has been minimal. We have not had a lost time injury in two years.
- NPG 8621.1 para 2.5 applies fine at SSC as written.

Remaining Items(cont.)

- One policy issue at this time: We have been waiting for the update for the explosive siting requirements for nearly two years. NSS 140.12, August 1993 is the latest rev of the Safety Standard for Explosives, Propellants and Pyrotechnics
- Status of Your Center Corrective action Plans from the Performance Evaluation Profile (PEP) FY2000
 - Not well received. Some offices did accomplish corrective actions.
 - Center may not offer PEP again unless significant improvement are made for FY 2001
- Q Program Operating Plan Level : Currently polling areas for appropriate submissions for FY 2001